TESTING SPECIFICATIONS JUNE, 1959

Type 1261-A Power Supply

22 Baker Avenue
West Concord, Mass.

Test Equipment

1 - Wattmeter-Voltmeter-Variac Unit (low range)
1 - Ohmmeter-Voltmeter
1 - 0-500 Ma. D-C Milliammeter
1 - Type 1261-P2, P3, P4 Selectors
1 - Type 1231-B Amplifier or equivalent
1 - Type 736-A Wave Analyzer or equivalent
1 - Special Laboratory Test Jig (See attached wiring diagram)

1.0 Preliminary Checks

1.1 Insert the Type 1261-P4 Selector Plug into the socket located on top of the Type 1261-A Power Supply. Connect the Power Supply and the Type 1231-B Amplifier to the 1261-A jig, and the 0-500 Milliammeter to the I_f terminals of the jig.

2.0 Relay Adjustments

2.1 Connect the Type 1261-A to the Wattmeter-Voltmeter-Variac Unit and 115 volt line. Turn on the Type 1231-B and 1261-A instruments and set the line variac for a 200 Ma. reading of the meter.

2.2 Adjust the clearance between the relay armature and the pole piece to be not more than 0.020 inch. The clearance between the contacts must not exceed 0.010 inch, and the pressure of the lower contact arm adjusted so that the armature just touches the non-metallic stop.

2.3 The relay must open and close in a positive manner when the line switch in the power cord to the Type 1261-A, or the power switch of the Type 1231-B is turned off and on.

2.4 Check the operation of the relay for both vertical and horizontal positions of the Type 1261-A Power Supply. Readjust the relay pressure springs if necessary to make it conform to the above requirements.

3.0 Power Input

3.1 Set the line voltage to 115 volts and connect the d-c voltmeter to the

jig filament terminals. Adjust potentiometer R-4 to give the same filament voltmeter readings when switch S-1 (mounted on top of the power supply) is opened or closed. This voltage must be between 1.5 and 1.55 volt

Measure the "B" voltage across the plate terminals of the test jig to be 85 to 95 volts d-c.

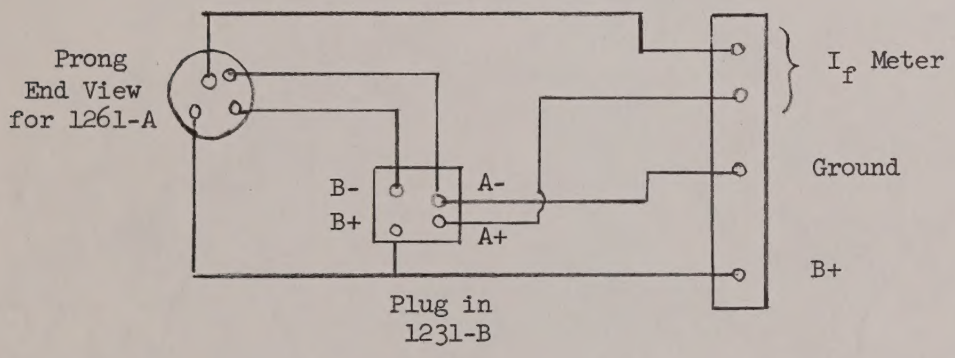
Check the input power at 115 volts line to be approximately 8 watts.

4.0 Hum Checks

4.1 Connect the Type 1231-B directly to the Type 1261-A, and set the buttons and controls as stated.

(a) Depress the AMPL NORM METER button
(b) Depress the INPUT 0.03 v button
(c) Set the GAIN control at maximum
(d) Short circuit the amplifier INPUT terminals

Connect the Type 736-A Wave Analyzer, adjusted for voltage measurements, to the amplifier OUTPUT terminals and measure the 60 and 120 cycles hum to be less than 400 millivolts.



1261-A Test Jig

Service Department